



CINT2000 Result

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IBM Corporation

IBM BladeCenter HS21 XM (2.33 GHz Xeon 5140, 4MB L2 Cache)

SPECint2000 = --

SPECint_base2000 = 2390

SPEC license #: 11 | Tested by: IBM Corporation | Test date: Jan-2007 | Hardware Avail: Feb-2007 | Software Avail: Mar-2006

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	96.9	1444			
175.vpr	1400	80.2	1746			
176.gcc	1100	45.7	2409			
181.mcf	1800	47.5	3793			
186.crafty	1000	46.2	2163			
197.parser	1800	100	1797			
252.eon	1300	42.9	3033			
253.perlbmk	1800	63.7	2825			
254.gap	1100	47.4	2321			
255.vortex	1900	47.0	4045			
256.bzip2	1500	83.6	1795			
300.twolf	3000	112	2683			

Hardware

CPU: Intel Xeon processor 5140 (2.33 GHz, 1333 MHz bus)
 CPU MHz: 2333
 FPU: Integrated
 CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip
 CPU(s) orderable: 1, 2
 Parallel: No
 Primary Cache: 32KB(I) + 32KB(D) on chip (per core)
 Secondary Cache: 4096KB(I+D) on chip (per chip)
 L3 Cache: N/A
 Other Cache: N/A
 Memory: 8 x 2048 MB ECC PC2-5300F
 Disk Subsystem: 73GB SAS 10K RPM
 Other Hardware:

Software

Operating System: Microsoft Windows Server 2003 Enterprise x64 Edition + SP1 (64-bit)
 Compiler: Intel C++ Compiler 9.1 for 32-bit applications
 Build 20060323Z
 Microsoft Visual Studio 2005(for libraries)
 SmartHeap Library Version 8.0 from <http://www.microquill.com/>
 File System: NTFS
 System State: Default

Notes/Tuning Information

```
+FDO: PASS1=-Qprof_gen PASS2=-Qprof_use
Base tuning for C programs: -fast +FDO shlW32M.lib
Base tuning for C++ programs: -fast -Qcxx_features +FDO shlW32M.lib
Portability flags:
176.gcc: -Dalloca=_alloca /F10000000
186.crafty: -DNT_i386
252.eon: -DHAS_ERRLIST
253.perlbmk: -DSPEC_CPU2000_NTOS -DPERLDLL /MT
254.gap: -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO
```